

Title (en)  
WAVED FILTER MEDIA AND ELEMENTS

Title (de)  
GEWELLTE FILTERMEDIEN UND ELEMENTE

Title (fr)  
MILIEUX ET ÉLÉMENTS FILTRANTS ONDULÉS

Publication  
**EP 2403625 A4 20120718 (EN)**

Application  
**EP 10749052 A 20100304**

Priority  
• US 2010000656 W 20100304  
• US 39928109 A 20090306

Abstract (en)  
[origin: US2009272084A1] Various high performance, high efficiency filter media are provided that are cost effective and easy to manufacture. In particular, various filter media are provided having at least one layer with a waved configuration that results in an increased surface area, thereby enhancing various properties of the filter media. The filter media can be used to form a variety of filter elements for use in various applications.

IPC 8 full level  
**B01D 39/14** (2006.01); **B03C 3/00** (2006.01)

CPC (source: EP US)  
**B01D 39/1623** (2013.01 - EP US); **B01D 46/522** (2013.01 - EP US); **B01D 2239/065** (2013.01 - EP US); **B01D 2275/10** (2013.01 - EP US)

Citation (search report)  
• [X] US 6090469 A 20000718 - WADSWORTH LARRY C [US], et al  
• [X] DATABASE WPI Week 198327, Derwent World Patents Index; AN 1983-702156, XP002677116  
• [X] DATABASE WPI Week 199213, Derwent World Patents Index; AN 1992-101960, XP002677117  
• See references of WO 2010101640A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**US 2009272084 A1 20091105; US 8202340 B2 20120619**; CN 102438721 A 20120502; CN 102438721 B 20151125; EP 2403625 A1 20120111; EP 2403625 A4 20120718; WO 2010101640 A1 20100910

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**US 39928109 A 20090306**; CN 201080019627 A 20100304; EP 10749052 A 20100304; US 2010000656 W 20100304